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ABSTRACT OF THE INVENTION

An electrodeionization apparatus comprising multiple anion exchange membranes 13 and cation exchange membranes 14 that are alternately arranged between a cathode 12 and an anode 11 to alternately form concentrating compartments 15 and desalting compartments 16 is described. The concentrating compartments 15 and the
10 desalting compartments 16 are filled with ion exchangers, and the filling ratio of anion exchanger to cation exchanger of the ion exchanger in the concentrating compartments 15 is higher than that of the ion exchanger in the desalting compartments 16.

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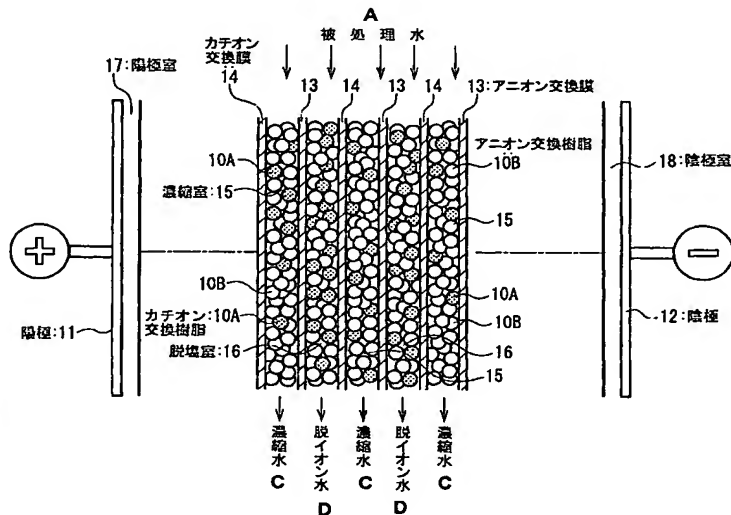
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(21) 国際出願番号: PCT/IB2003/005042 (75) 発明者/出願人(米国についてのみ): 三輪 昌之 (MIWA, Masayuki) [JP/JP]; 〒160-8383 東京都 新宿区 西新宿 三丁目4番7号 Tokyo (JP). 佐藤 伸 (SATO, Shin) [JP/JP]; 〒160-8383 東京都 新宿区 西新宿三丁目4番7号 Tokyo (JP). 森部 隆行 (MORIBE, Takayuki) [JP/JP]; 〒160-8383 東京都 新宿区 西新宿三丁目4番7号 Tokyo (JP).
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(71) 出願人 (米国を除く全ての指定国について): 栗田工業株式会社 (KURITA WATER INDUSTRIES LTD.) [JP/JP]; 〒160-8383 東京都 新宿区 西新宿三丁目4番7号 Tokyo (JP).
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(54) Title: ELECTRODEIONIZATION APPARATUS

(54) 発明の名称: 電気脱イオン装置



(57) Abstract: An electrodeionization apparatus comprising multiple anion exchange membranes (13) and cation exchange membranes (14) that are alternately arranged between a cathode (12) and an anode (11) to alternately form concentrating compartments (15) and desalting compartments (16) is described. The concentrating compartments (15) and the desalting compartments (16) are filled with ion exchangers, and the filling ratio of anion exchanger to cation exchanger of the ion exchanger in the concentrating compartments (15) is higher than that of the ion exchanger in the desalting compartments (16).

A...WATER TO BE TREATED
14...CATION EXCHANGE MEMBRANE
17...ANODE COMPARTMENT
11...ANODE
15...CONCENTRATING COMPARTMENT
10A...CATION EXCHANGE RESIN
16...DESALTING COMPARTMENT
13...ANION EXCHANGE MEMBRANE
10B...ANION EXCHANGE RESIN
18...CATHODE COMPARTMENT
12...CATHODE
C...CONCENTRATED WATER
D...DEIONIZED WATER

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